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WHAT IS CLAIMED IS:

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(1. A method of replacing an at least partially spent first knife, which is locked in the knife holder of a severing unit that is operative to sever smokers' products, with a second knife, comprising the steps of: automatically unlocking the first knife; removing the first knife from the holder; introducing the second knife into the holder.

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- 2. The method of claim 1, further comprising the step of engaging the first knife prior to said removing step, said removing step including advancing the first knife along an at least substantially straight path and further comprising the step of delivering the removed first knife to and releasing the first knife at a disposing station for spent knives.
- 1 3. The method of claim 2, wherein said engaging 2 step is carried out prior to said unlocking step.
 - 4. The method of claim 2 of replacing a first knife having a cutting edge, wherein said removing step further includes grasping the cutting edge of the first knife.
- 5. The method of claim 1, further comprising the step of moving the first knife to a predetermined position relative to the holder subsequent to said unlocking step and prior to completion of said removing step.

- 6. The method of claim 5, wherein said removing step includes placing a withdrawing unit for the first knife opposite the first knife not later than when the first knife occupies said predetermined position.
- 7. The method of claim 1, further comprising the step of interrupting the operation of the severing unit at least in the course of said removing step.
 - 8. The method of claim 7, further comprising the step of maintaining the first knife at least close to a predetermined position at the time of initiation of said removing step.
- 9. The method of claim 8, wherein said removing step includes placing a withdrawing unit for the first knife opposite the first knife not later than when the first knife occupies said predetermined position.

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- 10. The method of claim 1 of replacing a first knife which is subject to wear during operation of the severing unit, further comprising the steps of monitoring the extent of wear upon the first knife during operation of the severing unit and initiating said removing step when the wear upon the first knife reaches a predetermined value.
- Il. The method of claim 1, further comprising the step of automatically locking the second knife in the holder upon completion of said introducing step.
 - 12. The method of claim 1, further comprising the steps of withdrawing the second knife from a storage facility for second knives and conveying the thus withdrawn second knife to a preselected position prior to said introducing step.
- 1 13. The method of claim 12, wherein said conveying step includes moving the second knife along an at least partially linear path.

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- 1 14. The method of claim 12, wherein said conveying 2 step includes moving the second knife along an at least 3 substantially linear path.
 - 15. The method of claim 12, further comprising the step of transporting the knife holder to a position opposite said preselected position of the second knife prior to said introducing step.
 - of the severing unit includes moving the knife holder and further comprising the step of interrupting the moving step preparatory to and in the course of said introducing step.
- 17. The method of claim 16, further comprising
 the steps of withdrawing the second whife from a storage
 facility, conveying the thus withdrawn second whife to
 a preselected position prior to said introducing step,
 and transporting the whife holder to a position opposite
 the second whife in the preselected position of the second whife.

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1	18 \ The method of claim 1, further comprising the
2	step of looking the second knife in the knife holder upon
3	completion of said introducing step.

- 19. The method of claim 1, further comprising the step of maintaining, at the time of initiation of said removing step, the knife holder at least close to a predetermined position in which the second knife can be introduced into the knife holder upon completion of said removing step.
- 20. The method of claim 1, further comprising the step of automatically carrying out at least one of said removing and introducing steps.
- 1 21. The method of claim 20, wherein said step of 2 automatically carying out at least one of said removing 3 and introducing steps is computerized.
- 1 22. The method of claim 1, further comprising the 2 step of automatically locking the second knife in the 3 holder upon completion of said introducing step.

1	23. The method of claim 1, further comprising the
2	step of automatically carrying out at least one of
3	additional steps including:
/1	engaging the first knife prior to said removing
5	step,
6	delivering the removed first knife to a disposing flow
7	station for firs knives,
8	moving the first knife to a predetermined position
9	relative to the holder subsequent to said unlocking step
10	and prior to completion of said removing step,
11	interrupting the operation of the severing unit
12	at least in the course of said removing step,
13	maintaining the first knife at least close to a
14	predetermined position at the time of initiation of said
15	removing step,
16	monitoring the extent of wear upon the first knife \bigcirc
17	during operation of the severing unit,
18	initiating the removing step when the wear upon
19	the first knife reaches a predetermined value,
20	locking the second knife \setminus in the holder upon $\mid \mid$
21	completion of said introducing step,
22	withdrawing the second knife from a storage faci-
23	lity for second knives,
24	conveying the withdrawn second knife to a predeter- $ec{\mathcal{V}}$
2 5	mined position prior to said introducing atop

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Claim 23, cont'd.

transporting the knife holder to a position oppo-26 site a preselected position of the second knife prior 27 to said introducing step, 28 moving the knife holder during operation of the 29 severing unit, 30 interrupting the movement of the knife holder pre-31 paratory to and in the course of said introducing step, 32 33 and maintaining - at the time of initiation of said 34 removing step - the knife kolder at least close to a 35 predetermined position in which the second knife can be 36 ′ introduced into the knife holder upon completion of said 37 38 removing step.

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24. Apparatus for replacing a first knife, which
is locked in a knife holder of a severing unit in a
machine for severing partly finished smokers' products,
with a second knike, comprising:
disengageable means for locking the first knife
in the holder;
means for disengaging said locking means;
means for removing the first knife from the holder
upon disengagement of said locking means; and
means for introducing the second knife into the
holder upon removal of the first knife prior to reengage-
ment of the locking means.

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- 25. The apparatus of claim 24, wherein said locking means comprises a biasing member movable between first and second positions in which a knife is respectively locked in and removable from the holder, said disengaging means comprising a displacing member and means for moving said displacing member relative to the holder to thus move said biasing member from said first to said second position thereof at least during removal of the first knife from the holder.
- 26. The apparatus of claim 25, wherein said biasing member comprises at least one roller and said displacing member comprises a reciprocable bolt.
- 27. The apparatus of claim 24, wherein said removing means includes means for clamping the first knife
 at least during removal of the first knife from the holder.

- The apparatus of claim 24 for replacing a first knife having a cutting edge, wherein said removing means comprises means for clamping the cutting edge of the first knife during removal of the first knife from the holder.
- 1 29. The apparatus of claim 28, wherein said 2 removing means further comprises means for moving said 3 clamping means and the first knife along an at least 4 partially linear path extending away from the holder.
- 1 30. The apparatus of claim 24, further comprising 2 means for engaging said locking means upon introduction 3 of the second knife into the holder.
- 1 31. The apparatus of claim 30 wherein said engag-2 ing means includes said disengaging means.

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- 32. The apparatus of claim 24, wherein said locking means comprises a biasing member movable between first and second positions in which a knife is respectively locked in and removable from the holder, and further comprising means for moving the biasing member between said positions and means for conveying the second knife into the holder in the second position of said biasing member and upon removal of the first knife from the holder.
- 33. The apparatus of claim 32, further comprising a storage facility for a supply of second knives, said conveying means being arranged to move discrete second knives seriatim from said storage facility to the holder.
- 34. The apparatus of claim 33, wherein said conveying means comprises driven rollers arranged to advance second knives from said storage facility to the holder.
- 35. The apparatus of claim 33, wherein said storage facility comprises resilient means for biasing second knives of the supply against each other.

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36. The apparatus of claim 24, wherein said disengaging means includes means for releasably locking a second knife in the holder upon introduction of such second knife into the holder.

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A method of removing a knife which is locked in the knife holder of a severing unit that is operative to sever smokers' products, comprising the steps of: automatically unlocking the knife; and removing the unlocked knife from the holder.

- 1 38. The method of claim 37, further comprising 2 the step of replacing the removed knife with a second 3 knife.
- 39. The method of claim 38, wherein at least one of said removing and replacing steps includes advancing the respective knife along an at least substantially linear path.

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40: \bigwedge A method of introducing a knife into the knife
holder of a severing unit which is operative to sever
40: A method of introducing a knife into the knife holder of a severing unit which is operative to sever smokers' products, comprising the steps of: conveying the knife into the knife holder; and automatically locking the conveyed knife in the
automatically locking the conveyed knife in the
knife holder.

The method of claim 40, further comprising 41. the step of removing a spent knife from the holder prior to said conveying step.

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. 42.	App	aratus	for	with	draw	ing	an	at	1east
partially us	sed	and/or	damage	d kı	nife	whicl	n is	lock	cingly
engaged by	the	knife	holder	of	a m	achine	e for	: sev	ering
partly finis	hed	smokers	s' prod	ucts	, cor	mprisi	.ng;		

means for terminating the locking engagement between the knife and the holder; and

means for removing the knife from the knife holder upon termination of said locking engagement.

43. The apparatus of claim 42, further comprising means for introducing a fresh knife into the knife holder upon removal of the at least partially used and/or damaged knife.

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~44	Apparatus for inserting a knife into the knif	e
holder o	machine for severing partly finished smokers	, '
products	emprising:	

means for releasably locking knives in the holder;
means for disengaging said locking means; and
means for conveying discrete knives into the holder
in the disengaged condition of said locking means.

45. The apparatus of claim 44, further comprising a source of knives, said conveying means being arranged to transport discrete knives from said source to the holder.

46. The apparatus of claim 44, wherein said locking means includes means for clamping knives to the holder.